

NEW STATE RECORDS AND OTHER NOTEWORTHY
COLLECTIONS FOR THE ILLINOIS VASCULAR FLORA

R. D. Henry and A. R. Scott

R.M. Myers Herbarium and Institute for Environmental Management
Western Illinois University, Macomb, IL 61455

ABSTRACT: Twenty-one Illinois vascular plant distribution records are reported, three of which are new taxa in the spontaneous Illinois vascular flora.

INTRODUCTION

Two species and one subspecies of vascular plants new to the Illinois flora are reported. Additionally, collections of 18 other species having noteworthy distributions in Illinois are discussed. Nomenclature follows Kartesz and Kartesz (1980) or Mohlenbrock (1975) except as noted. Unless otherwise indicated, distribution information was derived from Mohlenbrock and Ladd (1978). All plants were collected by the authors and their collection number(s) and dates are given with the citation of each taxon. Voucher specimens are deposited in the R. M. Myers Herbarium of Western Illinois University (MWI).

STATE RECORDS

Chenopodium pumilio R. Br. (#2154, 2155)

Specimens of this species new to the spontaneous vascular flora were collected on August 1 and 19, 1980 in open waste ground near a residence in central McDonough County. Only a couple of plants were present, and these were later destroyed; however, in 1982 several plants of this species reappeared near the original location. The species is native to Australia and has been found in Massachusetts, New York, New Jersey, Ohio, Pennsylvania, District of Columbia in the eastern United States and west of the Mississippi from Missouri to Texas and California. In Missouri it has been found in 24, mostly southern, counties, the nearest location to this Illinois find being in St. Louis County about 150 miles away (Steyermark, 1963).

Euphorbia hexagona Nutt. (#1313, 1936)

Specimens were collected from a sandy dike along the Mississippi River in northwestern Mercer County on September 24, 1980 and July 7, 1981. A number of scattered plants were present. This species is a native of the western plains, and Gleason (1963) lists its distribution as Minnesota to Montana, south to Missouri, Texas and New Mexico. Steyermark (1963) does not record it from Missouri, nor does Pohl (1975) for Iowa, or Mohlenbrock (1982) for Illinois.

Delphinium carolinianum Walt. ssp. penardii (Huth.) Warnock (#1809, 1810)

Specimens of this subspecies were collected on May 27, 1980 along a railroad track in eastern Henderson County, where there were several plants growing. According to Warnock (1981) the subspecies ranges across the Great Plains and Front Range foothills with the nearest locations to Illinois being in Louisa and Muscatine Counties, Iowa, which are about 30 miles from this report. Warnock, who determined the specimens, annotated them as "unusual for Illinois; probably from seed brought by rail; these specimens have many characters of plants from Rocky Mountain foothills and central Tennessee."

RECORDS OF DISTRIBUTIONAL INTEREST

Brassica kaber (DC.) L. C. Wheeler var. schkuhriana (Reichenb.) L. C. Wheeler (#1908)

This plant was collected on May 27, 1980 along a railroad in Henderson County. Mohlenbrock (1980) states that this variety is "rare and scattered throughout the state" and indicates collections from six other counties, none in west-central Illinois. This species previously has not been recorded for Henderson County.

Cerastium pumilum Curtis (#2253)

Collected from sandy soil in Cass County on May 16, 1981, this species previously was reported only from Jackson County about 160 miles to the south (Mohlenbrock and Ladd, 1978).

Chorispora tenella (Willd.) DC. (#1929)

This species was collected beside a railroad in Henderson County on May 27, 1980. It was first recorded in the state in 1974 (Mohlenbrock 1980) and it previously has been reported for only nine counties, seven being in the northeast corner of the state. This is the first collection in west-central Illinois which is about 100 miles from the nearest previously reported station. Only one plant was found at this station, and the species does not appear to persist since Mohlenbrock (1980) states that "by 1978, it had disappeared from most of the original Illinois stations."

Coreopsis grandiflora Hogg. (#2160)

A station of this species, the first in west-central Illinois, was located along a highway in McDonough County on June 21, 1980.

Elaeagnus umbellata Thunb. (#2149)

Specimens were collected from a creek bank in McDonough County on November 15, 1980. This mature fruiting shrub is assumed to be a bird transported escape from cultivation via seeds. Previously in Illinois it has been reported from five eastern and southern counties (Mohlenbrock 1982) the nearest such

location being about 150 miles distant.

Haplopappus ciliatus (Nutt.) DC. (#1535, 1808, 1825-1829)

Specimens of this plant were collected between June and September, 1980 from two stations along a railroad in Henderson County. This first collection of the taxon in west-central Illinois is about 100 miles from the nearest of the previously eight reported counties (Shildneck, et al., 1981; Mohlenbrock and Ladd, 1978).

Heterotheca latifolia Buckl. (#1830-1832, 1843-1844)

Numerous plants of this species were growing in 1980 along a railroad in Henderson County. The number of Illinois counties in which the species is known to occur is now eleven (Shildneck, et al., 1981; Mohlenbrock and Ladd, 1978). This species has had a rather rapid increase since 1975 when Mohlenbrock (1975) cited it from only three counties and stated its occurrence as rare. Seven of the eleven counties are in southern Illinois. Henderson County is the first one in west-central Illinois being about 60 miles southwest of the nearest previously reported station.

Lappula redowskii (Hornem.) Greene var. occidentalis (Watts.) Rydb. (#1906)

A specimen of this taxon was collected in May, 1980 by a railroad in Henderson County and is the fifth and southernmost county by about 50 miles for its known occurrence in Illinois.

Leonurus marrubiastrum L. (#1507)

Although this species occurs in a number of counties, it has been notably absent from west-central Illinois until this collection from Mercer County in September 1980.

Linaria dalmatica (L.) Mill. (#1930)

A collection of this species was made on May 27, 1980 from a large population of plants growing along a railroad in Henderson County. It is now known from seven counties in the state including being the second county of its occurrence in western Illinois. Henderson County is its present southern most limit in the state.

Lobularia maritima (L.) Desv. (#2138)

This ornamental plant which sometimes escapes has already been recorded for six counties. On July 25, 1981, a spontaneous flowering specimen was found in the crack of a parking lot in Macomb, McDonough County.

Miscanthus sacchariflorus (Maxim.) Hack. (#1512-1513)

Many plants of this species were found growing by a roadside on September 24, 1980 in Mercer County which is the southern-most county in which this species is known to occur in the state.

Previously, it has been recorded for six other northern counties, including Rock Island which borders Mercer County on the north.

Specularia leptocarpa (Nutt.) Gray. (#1586)

Known previously from only five counties, a collection of this species was made on June 20, 1980 from a railroad right-of-way in Henderson County. This is the first report of this taxon from west of the Illinois River in the state.

Papaver dubium L. (#2280)

A specimen of this species was collected on June 4, 1981 from a large population of plants growing along an abandoned railroad in eastern Cass County. Mohlenbrock (1981) records this species from only two counties, the first being in 1879.

Petunia X hybrida Vilm. (#2136)

Specimens were found growing spontaneously and in flower by the edge of a street in Macomb, McDonough County on August 2, 1981. This common cultivated species previously has been recorded for only four other counties.

Physalis ixocarpa Brotero (#2170)

This species is recorded from three counties in the state. Each county is in a different part of the state, i.e., northeast, southeast, and southwest. This fourth report is from McDonough County in the west northwest part of the state. This species was originally collected from a floodplain about 1968 from a small population of plants at the edge of a cultivated field. The specimen referred to here (#2170) was collected on August 1, 1980 from plants grown in the University greenhouse from seeds derived from the 1968 collection.

Viburnum opulus L. (#2134)

Although previously reported from 20 Illinois counties (Henry, et al., 1978; Mohlenbrock and Ladd, 1978), this is the first report of the species west of the Illinois River in west-central Illinois. It occurs mostly in the northeastern counties (13) with fewer in the mid-central (6) and southern counties (1). This specimen was collected in McDonough County (west-central Illinois) at the edge of a woods on May 15, 1981.

Vernonia missurica Raf. f. carnea Standl. (#2137)

Even though V. missurica Raf. is common throughout Illinois, Mohlenbrock (1975) notes that rarely are rose-flowered (f. carnea) specimens observed and there are no distribution maps for it in Mohlenbrock and Ladd (1978). A collection of f. carnea was made on August 25, 1981 from a roadside in McDonough County.

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